

withdrawn is independent of reactor geometry.

DETD The upper, partially washed crude polyolefin product phase is removed from vessel 302 via an overhead line 326 and the aqueous phase leaves vessel 302 via a line 328. A portion of the removed aqueous phase is recycled to the wash water inlet line 320 via return line 330 and a flow controller 332. Another portion of the removed aqueous phase is discarded from the system via a drain line 334 and a level controller 336 which controls the level of the aqueous phase in vessel 302. Drain line 334 is connected to a system (not shown) for either reclamation or disposal of the used and contaminated wash water.

DETD An upper, more thoroughly washed crude polyolefin product phase is removed from vessel 306 via another overhead line 348, and the lower settled aqueous phase leaves vessel 306 via a line 350. A portion of the removed aqueous phase is recycled to wash water inlet line 340 via return line 352 and another portion of the removed aqueous phase is purged from the system via a drain line 354 and a level controller 356 which controls the level of the aqueous phase in vessel 306. Drain line 354 is connected to drain line 334.

DETD The more thoroughly washed crude polyolefin product phase in line 348 is admixed with additional wash water which is introduced via line 358. The admixture of crude polyolefin product phase and additional wash water is introduced into settler vessel 308 via a line 359 where once again the two phase admixture is allow to separate under the influence of gravity. The lower aqueous phase is removed from vessel 308 under the influence of a pump 362 via a lower line 360, and a portion thereof is recycled to line 348 via a flow controller device 364, a return line 366 and line 358. Another portion of the aqueous phase leaving vessel 308 is recycled via line 367 and flow controller 369 and introduced into line 340 for use as make-up wash water in vessel 306.

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(FILE 'HOME' ENTERED AT 14:46:04 ON 21 AUG 2007)

SET PLURALS ON PERM

SET ABBR ON PERM

FILE 'USPATFULL, USPAT2, CAPLUS, JAPIO' ENTERED AT 14:46:56 ON 21 AUG 2007

L1 421 SEA ABB=ON PLU=ON LOOP(2A) REACTOR(S) MODEL?
L2 19 SEA ABB=ON PLU=ON L1 AND MASS(1A) BALANCE#
D L2 1-19 IBIB ABS
D L2 1 IBIB HIT
L3 973591 SEA ABB=ON PLU=ON L1 AND POLYMER? OR POLYETHYLENE OR
POLYETHENE
L4 70 SEA ABB=ON PLU=ON L1 AND LOOP(S) (POLYMER? OR POLYETHYLENE OR
POLYETHENE)
L5 8 SEA ABB=ON PLU=ON L4 AND NEURAL(3A) NETWORK?
D L5 1-8 IBIB ABS
D L5 6 IBIB HIT
L6 7 SEA ABB=ON PLU=ON L4 AND (MASS OR MATERIAL) (3A) BALANCE###
D L6 1-7 IBIB ABS
D L6 4 HIT

FILE 'STNGUIDE' ENTERED AT 15:06:17 ON 21 AUG 2007

FILE 'USPATFULL, USPAT2, CAPLUS, JAPIO' ENTERED AT 15:08:06 ON 21 AUG 2007

L7 8 SEA ABB=ON PLU=ON L4 AND NEURAL?(4A) NETWORK?
L8 24 SEA ABB=ON PLU=ON L4 AND REACTOR(3A) (GEOMETR? OR CONFIGUR?)
D L8 1-24 IBIB ABS
D L8 16 IBIB HIT
L9 20 SEA ABB=ON PLU=ON L4 AND CONTROLLER#
D L9 1-20 IBIB ABS

S/N 10/625,711

D L9 20 ALL
D L9 15 IBIB HIT

FILE HOME

FILE USPATFULL

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 21 Aug 2007 (20070821/PD)
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FILE USPAT2

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FILE CAPLUS

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FILE JAPIO

FILE LAST UPDATED: 31 JUL 2007 <20070731/UP>
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>>> GRAPHIC IMAGES AVAILABLE <<<

FILE STNGUIDE

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Aug 17, 2007 (20070817/UP).

=> log y

COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE

ENTRY

150.40

TOTAL

SESSION

307.40